

ABSTRACT

Disclosed is an electronic ballast of a high power factor for a compact fluorescent lamp (CFL) capable of 5 implementing a high power factor and turning on lamps of different capacitances (3W-26W), or selectively turning on two lamps having the same capacitance or one lamp, using one circuit, by separating a lamp power and a circuit driving power. The electronic ballast comprises a voltage 10 divider for dividing a DC power inputted thereto into a lamp power and a circuit driving power, field effect transistors for controlling a voltage of the circuit driving power to provide it as a voltage for high frequency oscillation, a resistor and diodes for preventing a voltage 15 higher than a predetermined voltage from being applied to the field effect transistors, Zenor diodes for making the voltage through the field effect transistors a constant voltage, a bulb for receiving a high frequency generated by oscillation coils through a choke coil to turn on the CF 20 lamp, and diodes and condensers for removing a surge voltage occurring when the lamp is connected to the socket in order to protect the lamp and the socket.